**PATENT** ATTY. DKT. NO. 9D-HR-25242

## E UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Rafalovich et al.

Art Unit: 3744

Serial No.: 10/743,626

Filed: December 22, 2003

Examiner:

For:

METHOD AND APPARATUS

FOR CONTROLLING REFRIGERATORS

## **CERTIFICATE OF MAILING**

I certify that this correspondence is being deposited with the United States Postal Service as FIRST CLASS mail in an envelope addressed to: Mail Stop: Amendment Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on January

## INFORMATION DISCLOSURE STATEMENT

Mail Stop: AMENDMENT Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

The following are submitted in the above application in compliance with 37 CFR 1.97 and 37 CFR 1.98.

identified document and a translation thereof or a concise explanation of each non-English language document or a Search Report or communication from a non-US patent office or an International Search Report from an International Searching Authority for a patent application filed via the Patent Cooperation Treaty or document(s) cited in the application or the priority application.

This paper is submitted in accordance with:

Action, on the merits, or prior to first office action after filing an RCE]

<u></u> 3.		FR 1.97(c): [before Final Office Action, Allowance, or other action closing cution, whichever is earlier]; and						
	☐ a. ☐ b.	The required Certification management The \$180.00 fee specified in Disclosure Statement is authorized.	n 37 CFR 1.17(p) for submission of this Information					
<b>4</b> .	37 CF	R 1.97(d): [on or before issue	fee payment]; and					
	☐ a. ☐ b.	-	s stated in item 5 below; and a 37 C.F.R. 1.17(p) for submission of this Information orized in item 6 below.					
	Certifi	cation						
	□ a.		ntained in this Statement was first cited in any					
	□ b.	application not more than the No item of information contents from a foreign patent office knowledge of the person signo item of information contants.	gn patent office in a counterpart foreign patent ree months prior to the filing of this Statement; or ained in this Statement was cited in a communication in a counterpart foreign patent application and, to the ning this document after making reasonable inquiry, ained in this Statement was known to any individual c) more than three (3) months prior to the filing date					
⊠ 6.	Payme	nt of all applicable fees:						
		Information Disclosure State Enclosed is a check in the ar	fees associated with the submittal of this ement to Deposit Account No. 01-2384. nount of \$in payment of all applicable mittal of this Information Disclosure Statement.					
This d	ocumen	t is submitted in duplicate.						
			Respectfully Submitted,					
			Patrick W. Rasche, Reg. No. 37,916 Armstrong Teasdale LLP One Metropolitan Square, Suite 2600 St. Louis, Missouri 63102 (314) 621-5070					

PTO/SB/08A (08-03) Approved for use through 07/31/2006. OMB 0651-0031

9D-HR-25242

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Attorney Docket Number

TRANEN SUB aperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known ubstitute for form 1449/PTO Application Number 10/743,626 Filing Date December 22, 2003 INFORMATION DISCLOSURE First Named Inventor Rafalovich et al. STATEMENT BY APPLICANT Art Unit (Use as many sheets as necessary) **Examiner Name** 

Examiner Initials*	Cite	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
	No.1	Number-Kind Code <sup>2 (# known)</sup>	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
	AA	<sup>US-</sup> 6220042 B1	04/24/2001	Kim	
	AB	<sup>US-</sup> 6185948 B1	02/13/2001	Niki et al.	
	AC	US- 6000232	12/14/1999	Witten-Hannah et al.	
	AD	<sup>US-</sup> 5970733	10/26/1999	Hamaoka et al.	
	AE	<sup>US-</sup> 5857349	01/12/1999	Hamaoka et al.	
	AF	<sup>US-</sup> 5711159	01/27/1998	Whipple, III	
	AG	<sup>US-</sup> 5657638	08/19/1997	Erdman et al.	
	AH	<sup>US-</sup> 5534760	07/09/1996	Jung	
	Al	<sup>US-</sup> 5465591	12/14/1995	Cur et al.	
	AJ	<sup>US-</sup> 5460009	10/24/1995	Wills et al.	
	AK	<sup>US-</sup> 5377498	01/03/1995	Cur et al.	
	AL	<sup>US-</sup> 5375428	12/27/1994	LeClear et al.	
	AM	<sup>US-</sup> 5255530	10/26/1993	Janke	
	AN	<sup>US-</sup> 5209073	05/11/1993	Thomas et al.	
	AO	US- 5033272	07/23/1991	Yoshikawa et al.	
	AP	<sup>US-</sup> 5031413	07/16/1991	Tsuihiji et al.	
	AQ	<sup>US-</sup> 4916916	04/17/1990	Fischer	
	AR	<sup>US-</sup> 4896512	01/30/1990	Howland	
	AS	<sup>US-</sup> 4891952	01/09/1990	Yoshikawa et al.	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages			
		Country Code <sup>3</sup> "Number <sup>4</sup> "Kind Code <sup>5</sup> (if known)	MM-DD-YYYY	•	Or Relevant Figures Appear			
	<u> </u>			to and a processing on the control				

Examiner		Date	
	•		
Signature		Considered	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>8</sup>Applicant is to place a check mark here if English language Translation is attached.

Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

2 4 2005

Sheet 2

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the gaperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid representation of information

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

of 3

Complete if Known				
Application Number	10/743,626			
Filing Date	December 22, 2003			
First Named Inventor	Rafalovich et al.			
Art Unit				
Examiner Name				
Attorney Docket Number	9D-HR-25242			

				DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A.T.	Number-Kind Code <sup>2 (F known)</sup>	40/47/4000		i iguies Appeai
	AT	<sup>US-</sup> 4873837	10/17/1989	Murray	
	AU	<sup>US-</sup> 4862707	09/05/1989	Hill et al.	
	AV	<sup>US-</sup> 4765150	08/23/1988	Persem	
	AW	<sup>US-</sup> 4644758	02/24/1987	Machara et al.	
	AX	<sup>US-</sup> 4545213	10/08/1985	Fujiwara et al.	
	AY	<sup>US-</sup> 4283925	08/18/1981	Wildfeuer	
	AZ	<sup>US-</sup> 4030312	06/21/1977	Wallin et al.	
	ВА	<sup>US-</sup> 3638444	02/01/1972	Lindahl	
	BB	<sup>US-</sup> 3147602	09/08/1964	Beckwith	
	ВС	<sup>US-</sup> 2909907	10/27/1959	Swanson	
	BD	<sup>US-</sup> 2865181	12/23/1958	L. Anderson et al.	
	BE	<sup>US-</sup> 2856506	10/14/1958	M. Telkes	
	BF	<sup>US-</sup> 2846421	08/05/1958	L.W. Pollock	
	BG	US- 2772076	12/27/1956	J.R. Matthews	
	BH	us- 2694297	12/16/1954	M.G. Shoemaker	
	ВІ	<sup>US-</sup> 2604761	07/29/1952	L.W. Atchison	
	BJ	<sup>US-</sup> 2555012	05/29/1951	W.A. Spofford	
	ВК	<sup>US-</sup> 2535669	12/26/1950	P.H. Clay	
	BL	<sup>US-</sup> 2428312	09/30/1947	H.M. Herbener	

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages		
		Country Code <sup>3 "</sup> Number <sup>4 "</sup> Kind Code <sup>5</sup> (if known)	MM-DD-YYYY		Or Relevant Figures Appear	1	
						Ľ	
				V			
						f	

Examiner		Date	
Signature		Considered	
	·		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. See Finds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. See Finds Codes of USPTO Patent Documents, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

MFORMATION DISCLOSURE

or form 1449/PTO

Sheet 3

STATEMENT BY APPLICANT
(Use as many sheets as necessary)

Complete if Known				
Application Number	10/743,626			
Filing Date	December 22, 2003			
First Named Inventor	Rafalovich et al.			
Art Unit				
Examiner Name				
Attorney Docket Number	OD HD 25242			

			U. S. PATEN	DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Document Number  Number-Kind Code <sup>2 (f known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	ВМ	US- 2323354	07/06/1943	C.M. Rees	
	BN	<sup>US-</sup> 2241070	05/06/1941	D.W. McLenegan	•
	ВО	<sup>US-</sup> 2193837	03/19/1940	M.P. Winther et al.	
	BP	<sup>US-</sup> 2120185	06/07/1938	L.A. Philipp	
	BQ	<sup>US-</sup> 1865513	07/05/1932	R.S. Gaugler	
	BR	<sup>US-</sup> 1798951	03/31/1931	C.G. Munters	
	BS	<sup>US-</sup> 5428965	07/04/1995	Grunwald et al.	
	ВТ	<sup>US-</sup> 5231847	08/03/1993	Cur et al.	
	BU	<sup>US-</sup> 5465591	12/14/1995	Cur et al.	
		US-			
		US-		·	
		US-			
		US-		•	
		US-			
		US-			
		US-		•	

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.1	ite Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages		
		Country Code <sup>3</sup> "Number <sup>4</sup> "Kind Code <sup>5</sup> (if known)			Or Relevant Figures Appear	7	
					0.1		
						L	

Examiner	•		Date	
Signature			Considered	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at <a href="www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DONT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.